IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A mobile communication terminal comprising:

identification information receiving means for receiving identification information

from at least one mini-communicator which transmits predetermined identification

information of its own;

eellular communication means for implementing communication communicating with a server or another terminal via a cellular communication network; and

switching control means for receiving a switching signal for switching among a plurality of modes comprising an identification information receive mode [[of]] activating only the identification information receiving means out of the identification information receiving means and the cellular communication means for receiving identification information, and a cellular communication mode [[of]] activating only the cellular communication means for communicating, and for performing a mode switching control based on the received switching signal.

Claims 2 (Currently Amended): The mobile communication terminal according to Claim 1, further comprising:

measuring means for measuring a reception intensity of a radio wave received from the mini-communicator; and

information generating means for generating transmission information to the server, which contains the identification information of the mini-communicator received from the mini-communicator, identification information of the mobile communication terminal, and the reception intensity of the radio wave from the mini-communicator, and for making the

eellular communication means for communicating transmit the generated transmission information to the server.

Claim 3 (Currently Amended): The mobile communication terminal according to Claim 2, further comprising:

traffic acquiring means for acquiring traffic information in the cellular communication network; and

information storing means for receiving and temporarily storing the transmission information from the information generating means for generating, and for performing such an operation control as to output the transmission information to the cellular communication means for communicating or store the transmission information, based on the traffic information in the cellular communication network acquired by the traffic acquiring means for acquiring.

Claim 4 (Currently Amended): The mobile communication terminal according to Claim 2, further comprising:

a memory means for receiving and temporarily storing the transmission information from the information generating means for generating; and

selecting outputting means for selecting transmission information to be outputted, from the transmission information stored in the memory means for receiving and temporarily storing, based on condition information containing at least a thinning condition for transmission information or a selection condition for transmission information to be outputted or to avoid output, and for outputting the transmission information to be outputted, to the eellular communication means for communicating.

Claim 5 (Currently Amended): The mobile communication terminal according to Claim 2, wherein the information generating means for generating comprises:

identification number memorizing means for memorizing an identification number of a mini-communicator which the mobile communication terminal was able to receive at a past point of time;

determining means for comparing identification information of a mini-communicator which the mobile communication terminal is able to receive at the present time, with the identification number of the mini-communicator memorized, thereby determining whether there is a difference; and

transmission control means for making the cellular communication means for communicating transmit the transmission information to the server, in a predetermined case where it is determined at least once that there is a difference.

Claim 6 (Currently Amended): The mobile communication terminal according to Claim 1, further comprising:

measuring means for measuring a reception intensity of a radio wave received from the mini-communicator;

receiving means for receiving from another mobile communication terminal, other terminal information containing the identification information of the mini-communicator, the reception intensity of the radio wave from the mini-communicator, and location information of the other mobile communication terminal; and

location estimation control means for estimating the location of the minicommunicator corresponding to the transmission information, based on the reception intensity of the radio wave from the mini-communicator, measured by the measuring means for measuring of the mobile communication terminal, and on the other terminal information, and for notifying the server of the estimated location information.

Claim 7 (Currently Amended): The mobile communication terminal according to Claim 1, further comprising relaying means for amplifying a transmitted or received radio wave of the cellular communication network communicable with the mobile communication terminal, to relay the radio wave.

Claim 8 (Currently Amended): The mobile communication terminal according to Claim 1, wherein the cellular communication means for communicating is configured to:

set a transmission/reception channel for transmission/reception of the transmission information, separately from a user channel for transmission/reception of user data and a control channel for transmission/reception of a control signal, in communication via the cellular communication network, and transmit the transmission information through the use of the transmission/reception channel.

Claim 9 (Currently Amended): A server capable of communication with at least one mobile communication terminal having identification information receiving means for receiving identification information from at least one mini-communicator, and eellular communication means for implementing communication communicating with a server or another terminal via a cellular communication network, the server comprising:

switching signal transmitting means for transmitting to the mobile communication terminal a switching signal according to a predetermined mode switching request, in order to implement switching among a plurality of modes comprising an identification information receive mode [[of]] activating only the means for receiving identification information

receiving means out of the identification information receiving means and the cellular communication means, and a cellular communication mode [[of]] activating only the cellular communication means for communicating, at the mobile communication terminal.

Claim 10 (Currently Amended): The server according to Claim 9, further comprising: a mini-communicator location database storing configured to store location information of at least one mini-communicator;

a terminal location database storing configured to store location information of at least one mobile communication terminal; and

location estimating means for estimating a location of a mini-communicator corresponding to transmission information, based on transmission information from said mobile communication terminal containing identification information of a mini-communicator which a mobile communication terminal received from said mini-communicator, identification information of said mobile communication terminal, and a reception intensity of a radio wave from said mini-communicator, the pre-stored location information of the mini-communicator, and the pre-stored location information of the mobile communication terminal, and for updating the mini-communicator location database by the estimated location information.

Claim 11 (Currently Amended): The server according to Claim 9, further comprising: a mini-communicator location database storing configured to store location information of at least one mini-communicator; and

location management means for receiving location information of a minicommunicator estimated and notified of by a mobile communication terminal, and for updating the mini-communicator location database by the received location information. Claim 12 (Currently Amended): A communication system comprising at least one mini-communicator configured to transmit predetermined identification information of its own; a server capable of being connected to a cellular communication network; and at least one mobile communication terminal functioning as an aggregation point for aggregating information from the mini-communicator;

wherein the mobile communication terminal comprises:

identification information receiving means for receiving the identification information from the mini-communicator;

cellular communication means for implementing communication communicating with the server or another terminal via the cellular communication network; and

switching control means for receiving a switching signal for switching among a plurality of modes comprising an identification information receive mode [[of]] activating only the identification information receiving means out of the for receiving identification information receiving means and the cellular communication means, and a cellular communication mode [[of]] activating only the cellular communication means for communicating, and for performing a mode switching control based on the received switching signal;

wherein the server comprises:

switching signal transmitting means for transmitting a switching signal according to a predetermined mode switching request to the mobile communication terminal; and

wherein the switching control means for receiving a switching signal of the mobile communication terminal performs the mode switching control based on the switching signal received from the server.

Claim 13 (Currently Amended): The communication system according to Claim 12, said communication system further comprising a cellular network management apparatus having including:

network state monitoring means for monitoring a state of the cellular communication network;

elass information memorizing means for memorizing class information defined for each mobile communication terminal or for each user of the mobile communication terminal; accepting means for accepting a user request about the mode switching control; and switching signal generating means for generating a mode switching signal based on at least one of the class information acquired from the elass information memorizing means for memorizing, the state information of the cellular communication network acquired in monitoring by the network state monitoring means for monitoring, and the user request accepted by the accepting means for accepting, and for transmitting the switching signal to the mobile communication terminal;

wherein the switching control means for receiving a switching signal of the mobile communication terminal performs the mode switching control based on the switching signal received from the cellular network management apparatus.

Claim 14 (Currently Amended): The communication system according to Claim 12, wherein the server further comprises:

reference time generating outputting means for generating a reference time as a reference of time stamp and transmitting the reference time to the mobile communication terminal, and

wherein the mobile communication terminal further comprises:

time measuring means for measuring time; and

ealeulating means for calculating a difference between the reference time transmitted from the server, and a measured time, and for outputting the value of calculated difference as a time stamp.

Claim 15 (Currently Amended): The communication system according to Claim 12, wherein at least one of the mobile communication terminal and the server further comprises authentication means for authenticating whether a mini-communicator is a qualified one.

Claim 16 (Currently Amended): A communication control method in a communication system comprising at least one mini-communicator configured to transmit predetermined identification information of its own, a server capable of being connected to a cellular communication network, and at least one mobile communication terminal functioning as an aggregation point for aggregating information from the mini-communicator, the communication control method comprising:

a switching signal receiving step of receiving a switching signal for switching among a plurality of modes comprising an identification information receive mode [[of]] activating only identification information receiving means out of the identification information receiving means for receiving the identification information from the mini-communicator, and cellular communication means for implementing communication with the server or another terminal via the cellular communication network, and a cellular communication mode [[of]] activating only a the cellular communication means for communicating, at the mobile communication terminal; and

a switching control step of performing a mode switching control based on the received switching signal.

Claim 17 (Currently Amended): The communication control method according to Claim 16, further comprising:

a measuring step of measuring a reception intensity of a radio wave received from the mini-communicator, at the mobile communication terminal;

an information generating step of generating transmission information to the server, which contains the identification information of the mini-communicator received from the mini-communicator, identification information of the mobile communication terminal, and the reception intensity of the radio wave from the mini-communicator, at the mobile communication terminal;

an information transmitting step of transmitting the generated transmission information to the server, at the mobile communication terminal; and

a location estimating step of estimating a location of a mini-communicator corresponding to the transmission information, based on the received transmission information, pre-stored location information of the mini-communicator, and pre-stored location information of the mobile communication terminal, at the server.

Claim 18 (Currently Amended): The communication control method according to Claim 17, wherein the information generating step is configured to generating includes:

eompare comparing an identification number of a mini-communicator which the mobile communication terminal was able to receive at a past point of time, with identification information of a mini-communicator which the mobile communication terminal is able to receive at the present time, to determine whether there is a difference; and

generate producing the transmission information, in a predetermined case where it is determined at least once that there is a difference.

Application No. 10/731,147 Reply to Office Action of March 29, 2005

Claim 19 (Currently Amended): The communication control method according to Claim 16, further comprising:

a measuring step of measuring a reception intensity of a radio wave received from the mini-communicator, at the mobile communication terminal;

a receiving step of receiving from another mobile communication terminal, other terminal information containing identification information of a mini-communicator, a reception intensity of a radio wave from said mini-communicator, and location information of the other mobile communication terminal, at the mobile communication terminal; and

a location estimating step of estimating a location of the mini-communicator corresponding to transmission information, based on the reception intensity of the radio wave from the mini-communicator, which was measured at the mobile communication terminal, and on the other terminal information, at the mobile communication terminal.

Claim 20 (Currently Amended): A communication control program to be executed by a computer in a mobile communication terminal comprising identification information receiving means for receiving identification information from at least one mini-communicator configured to transmit predetermined identification information of its own, and cellular communication means for implementing communication communicating with a server or another terminal via a cellular communication network, the communication control program comprising:

a switching signal receiving step of receiving a switching signal for switching among a plurality of modes comprising an identification information receive mode [[of]] activating only the identification information receiving means out of the for receiving identification information receiving means and the cellular communication means, and a cellular

Application No. 10/731,147 Reply to Office Action of March 29, 2005

communication mode [[of]] activating only the eellular communication means for communicating; and

a switching control step of performing a mode switching control based on the received switching signal.